

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/000439

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H05K7/20 606F1/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H05K G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 340 874 B1 (VLADIMIR KNYAZHITSKY) 22 January 2002 (2002-01-22) column 1, lines 40-55 column 31, lines 31-56; figure 1	1
A	US 6 021 042 A (BOYD THOMAS A ET AL) 1 February 2000 (2000-02-01) cited in the application abstract; figure 3a	1
A	US 4 817 865 A (WRAY DONALD L) 4 April 1989 (1989-04-04) abstract; figure 1	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the International search report
1 July 2004	09/07/2004
Name and mailing address of the ISA European Patent Office, P.B. 5816 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer  Schneider, F

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6340874	B1	22-01-2002	NONE	
US 6021042	A	01-02-2000	NONE	
US 4817865	A	04-04-1989	NONE	